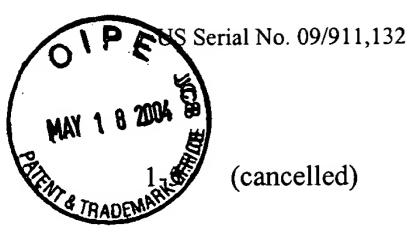
Serial No. 09/911,132 RDID 0073 US

AMENDMENTS TO THE CLAIMS

Please amend the claims in above-identified patent application as follows and as shown on the Claims Listing dated May 17, 2004 appended hereto.



(cancelled)

- (currently amended) The A DNA sequence according to comprising the sequence of SEQ 6. ID NO: 5.
- (currently amended) A transformation vector containing comprising the sequence of SEQ 7. ID NO: 5.
- (cancelled) 8-15
- (currently amended) A process for selecting yeast transformants useful in the production 16. of a eukaryotic alkaline phosphatase, said process comprising the steps of:
 - transforming yeast cells with a vector comprising a resistance first marker gene <u>(a)</u> for a first selection marker encoding resistance to a first antibiotic and the an alkaline phosphatase gene comprising a sequence selected from the group consisting of SEQ ID NO: 1 and SEQ ID NO: 5;
 - <u>(b)</u> selecting transformants that grow in medium containing a first concentration of the first selection marker antibiotic;
 - further transforming the selected transformants with a vector comprising a (c) resistance gene the first marker for the first selection marker and the alkaline phosphatase gene;
 - identifying transformants that have incorporated multiple copies of the alkaline <u>(d)</u> phosphatase gene by selecting those transformants transformants that grow in medium containing a second concentration of the first selection marker antibiotic, said second concentration being higher than the first concentration;
 - further transforming the identified transformants with a vector comprising a <u>(e)</u> resistance second marker gene for encoding resistance to a second selection marker antibiotic and the alkaline phosphatase gene; and

US Serial No. 09/911,132 RDID 0073 US

(f) selecting transformants that grow in medium containing the second selection marker antibiotic.

- 17. (cancelled)
- 18. (cancelled)
- 19. (currently amended) The process as claimed in claim 16, wherein methylotrophic the yeast cells are used methylotrophic.
- 20. (currently amended) The process as claimed in claim 16, wherein the yeast cells are from Pichia pastoris or Hansenula polymorpha is used as the yeast strain.
- 21. (currently amended) The process as claimed in claim 16, wherein the transformants that grow in medium containing the second selection marker antibiotic are transformed at least once more with a vector comprising a resistance the second marker gene for the second selection marker and the alkaline phosphatase gene and the transformants that grow in medium containing the second selection marker antibiotic are selected.
- 22. (currently amended) A process for selecting yeast transformants useful in the production of a eukaryotic alkaline phosphatase, said process comprising the steps of:
 - transforming yeast cells more than one time with a vector comprising a resistance marker gene for encoding resistance to a first selection marker antibiotic and the an alkaline phosphatase gene comprising a sequence selected from the group consisting of SEQ ID NO: 1 and SEQ ID NO: 5;
 - (b) identifying transformants that have incorporated multiple copies of the alkaline phosphatase gene by selecting those transformants transformants that grow in medium containing a concentration of the first selection marker antibiotic that is higher than that used for selection of transformants that have incorporated a single copy of the alkaline phosphatase gene;

CLAIMS LISTING 5/17/04

- (c) further transforming the identified transformants with a vector comprising a resistance marker gene for encoding resistance to a second selection marker antibiotic and the alkaline phosphatase gene; and
- (d) selecting transformants that grow in medium containing the second selection marker antibiotic.
- 23. (currently amended) A process for the production of a eukaryotic alkaline phosphatase in yeast cells comprising the steps: a) of selecting a transformant using according to the process of claim 16, 21 or 22; b) expressing the alkaline phosphatase; and c), and purifying the alkaline phosphatase.